- 4. The process of claim 3, wherein the carbon source is glucose and the nitrogen source is ammonia and/or an ammonium salt.
- 5. The process of claim 1, wherein said fermenting is via a batch, a repeated batch, a fed-batch, a repeated fed-batch or a continuous fermentation process.
 - 6. The process of claim 5, wherein fermenting is via a fed-batch process.
- 7. The process of claim 6, wherein a carbon and/or a nitrogen source is fed to the process.
- 8. The process of claim 7, wherein the carbon source is glucose and the nitrogen source is ammonia and/or an ammonium salt.
- 15. The process of claim 1, wherein the microbial strain is a filamentous microbial strain.
 - 16. The process of claim 15, wherein the filamentous strain is a fungus.
 - 19. The process of claim 16, wherein the fungus is a Penicillium strain.
 - 20. The process of claim 19, wherein the fungus is Penicillium chrysogenum.
 - 36. The process of claim 19 wherein the β -lactam is penicillin V.
 - 37. The method of claim 19 wherein the β -lactam is adipoyl-7-ADCA.

Please enter the Abstract attached hereto.